1	SPRING WHEELS	53	Pneumatic spring
2	.With lubrication	54	Link connected
3	Spring enclosure	55	Cylinder and piston
4	Cylinder and piston	56	Annular
5	.Deformable ground engaging part	57	Rigid annulus enclosing
6	With plural spring types	58	Plural
7	With rubber spring	59	With separate annulus guide
8	With pneumatic spring	60	Combined drive
9	Annular	61	Spring
10	With air tanks	62	Links
11	With leaf spring	63	Radial
12	End secured	64	Studs or lugs
13	With coil spring	65	Through bolts
14	Radial	66	Anti-creep
15	Cylinder and piston supported	67	With drive
16	Encircled rod supported	68	Anti-creep
17	.Spring encircling rigid annulus	69	Leaf spring
18	With nonresilient overload stop	70	With braces
19	Convertible to rigid wheel	71	Link connected
20	With flexible annular support	72	Variously arranged
21	Lateral thrust or tension	73	Cylindrical units
22	Combined spring and friction	74	Transverse
23	Coil springs	75	Straight, radial or tangential
24	Double thrust	76	Center secured
25		77	With separate annulus guide
25 26	With coil springs	78	Combined drive
27	Rod encircling	79	Reversely curved
28	With balls	80	End secured
28 29	Combined spring and friction	81	Single end
30	With plural spring types	82	With separate annulus guide
31	Rubber and pneumaticRubber and leaf	83	Combined drive
32		84	Oppositely curved pairs
33	Rubber and coil	85	Reversely curved springs
	Annular rubber	86	Arcuate
34	Pneumatic and leaf	87	Coil spring
35 36	Pneumatic and coil	88	Link connected
37	Annular pneumaticLeaf and coil	89	Variously arranged
38		90	Tangential and radial
	Center secured leaf	91	Diagonal
39 40	End secured leaf	92	Circumferential
40	Rubber spring	93	Tangential
41	In shear	94	Transverse
42	Cylindrical	95	Center secured
43	Transverse	96	Concentric with wheel axis
44	Blocks or balls	97	Radial
45	With drive	98	Tandem, interposed bearing
46	With separate annulus guide	99	Telescoping cylinder
47	Annular		supported
48	Rigid annulus enclosing	100	Cylinder and piston supported
49	Plural	101	With separate drive
50	With separate annulus guide	101	Double acting
51	Combined drive	102	Encircled rod supported
52	With drive	100	dictroted tod supported

104	*****	1.0.0	- 1 11 1
104	With independent annulus	188	Inlaid tread
105	guide and drive	189	With securing rings
105	With separate annulus guide	190	Sectional
106	Combined drive	191	Tire secured
107	Spring	192	Single tube tires internal
108	Links	193	Metal
109	Radial	194	Plates
110	Studs or lugs	195	Inner tube construction
111	Through bolts	196	Casing construction
112	With separate drive	197	Embedded
151	TIRES, RESILIENT	198	Metal
152	.Emergency	199	Plates
152.1	.With electrical conducting means	200	Annular
153	.With cooling devices	201	Linked mat
154	.With splash guards	202	Woven
154.1	.With balancing feature	203	Interliners
154.2	.With wear indicating feature	204	Cotton, fabric, or rubber
155	.Cushion and pneumatic combined	205	Metal
156	Metallic spring cushion	206	Scale armor
157	Enclosed cushion	207	Annular
158	Internal buffers	207	Annular .Anti-skid devices
150			
	Superimposed	209.1	Tread
160	Plungers	209.2	For controlling noise by
161	Edge-secured cushion		varying design cycle (e.g.,
162	Guide flanges		specified pitch ratio, pitch
163	Radial stops	200 2	sequence, etc.)
164	Bolts or studs	209.3	Having varying tread
165	Integral		characteristic (e.g., groove
166	With removable inner tube		depth, groove angle, etc.)
	.Armored	200 4	other than design cycle
167	Anti-skid	209.4	Containing randomly dispersed
168	Radial filaments and		short fibers or anti-skid
	laminations	000 5	granules
169	Secured into casing	209.5	Having tread sections (e.g.,
170	Detachable		base-cap, etc.) containing
171	Linked mat		different specified physio-
172	Tire secured		chemical properties (e.g.,
173	With circumferential band		hysteresis, modulus, hardness,
174	Bound to felly	000 6	etc.) or compositions
175	Tire secured	209.6	Including retread or precured
176	Inlaid tread		tread section
177	With securing rings	209.7	Including foam section
178	Sectional	209.8	Having asymmetric tread
179	Tire secured		pattern
180	Wholly metallic	209.9	Characterized by different
181			groove widths
182	Bound to fellyTire secured	209.11	For sidewall-running tires
			(e.g., unicycle, motorcycle,
183	Corner-connected sections		bicycle, etc.)
184	With securing rings	209.12	Containing lugs having or
185	External		appearing to have net to gross
185.1	Track for single wheel		ratios of less than 35 percent
186	Bound to felly		(e.g., farm equipment, tractor
187	Tire secured		tire, etc.)

209.13	Having circumferential rib at or crossing equatorial plane	223	Combined cross chains and plates or bars
209.14	Having tire tread profile	224	Superimposed
	defined by diverse radii of	225 R	Plate or bar type
	curvature	226	With traction lugs
209.15	Characterized by shape of	227	Flanges
	upper surface of tread element	228	Integral
	(e.g., block with upper convex	229	Calks
	surface, etc.)	230	Integral
209.16	Having specified tread	225 C	Clamps
	shoulder structure	231	Cross chain type
209.17	Having isolated holes or	232	Independent sections
	suction cups	233	Securing devices
209.18	Having groove or sipe with	234	Felly and spoke
	specified dimension or	235	Spoke clamped
	structure therewithin	236	Felly
209.19	Protrusion from bottom and	237	Bound to felly
	spaced from both walls (e.g.,	238	Spoke
	<pre>pebble ejector, etc.)</pre>	239	Annular
209.21	Protrusion from wall and	240	With side anti-skid elements
	spaced from the opposite wall	241	Securing devices
209.22	Protrusion bridging between	242	Securing rings
	walls (e.g., tie bar, etc.)	243	Modified links
209.23	Both walls inclined in same	244	Solid
	direction	245	With protectors
209.24	Having angle of inclination	246	Cushion
	of one wall different from	247	Metallic springs
000 05	that of opposite wall	248	Tubular
209.25	Having grooves or sipes with	249	Integral
000 06	different specified depths	250	Woven
209.26	Having circumferential groove	251	Wheel encircling band
	width at least per cent of	252	With supporting spring
200 27	tread width	253	Leaf
209.27	Having continuous circumferential narrow width	254	Circumferentially extending
	groove (i.e., less than 5mm.)	255	Center secured
209.28	Having directional two	256	End secured
209.20	dimensional pattern (e.g., "v"	257	Single end
	shaped, etc.)	258	Transverse
210	With embedded anti-skid	259	Enclosed
210	elements	260	Rim secured
211	Flush with tread	261	Coil
212	Radial filaments and	262	Radial
	laminations	263	Enclosed
213 R	Applying and removing devices	264	Annular guide flange
214	Vehicle carried	265	Integral enclosure
215	Running board carried	266	Arcuate interior surface
216	Wheel carried	267	Enclosed
213 A	Annular securing means	268	Integral enclosure
217	Tighteners	269	Arcuate interior surface
218	Radial	270	Leaf
219	Circumferential	271	Circumferentially extending
220	Plural tire	272	Center secured
221	Flexible straps or cords	273	End secured
222	With metal anti-skid	274	Single end
222	TELL MCCAL ALLCE-BALA	2,1	······

275	Transverse	328	Multiple
276	Embedded	329	Annular
277	Enclosed	450	.Pneumatic tire or inner tube
278	Rim secured	451	Tire cord reinforcement
279	Retaining ring secured		materials per se
280	Rim secured	452	Cordless tires (e.g., cast
281	Rim flange engagement		tires)
282	Radial securing means	453	Tire characterized by closed
283	Retaining ring secured		annular transverse cross
284	Coil		section
285	Circumferential	454	Tire characterized by the
286	Embedded		dimension or profile of the
287	Enclosed		cross sectional shape
288	Arcuate interior surface	455	Asymmetric tire
289	Radial	456	Asymmetry due to cross
290	Sectional tire units		sectional profile
291	With plungers	457	Tire foldable in storage or
292			nonuse condition (e.g.,
292	With plungers		collapsible space saving tire)
	Enclosed	458	Tire reinforcement material
294	Annular guide flange		characterized by short length
295	Sectional tread		fibers or the like
296	Integral enclosure	331.1	Multiple chamber
297	With nonmetallic band	332.1	Cylinder and piston
298	Arcuate interior surface	333.1	Transverse walls
299	With nonmetallic band	334.1	Mutually free walls
300	Sectional	335.1	Interfitting
301	Annular	336.1	Balls
302	Superimposed	337.1	With simultaneous inflating
303	Superimposed	337.1	means
304	With apertured external	338.1	With simultaneous inflating
	binders	330.1	
305	Radial bolt secured	339.1	meansAnnular chambers
306	Abutting sections		
307	With annular internal binders	340.1	Mutually free walls
308	Interfitting	341.1	With simultaneous inflating
309	Indented at joints	240 1	means
310	Casing enclosed core	342.1	With simultaneous inflating
311	Separate core	242 1	means
312	Removable	343.1	Sectional casings
313	Sponge rubber	344.1	Circumferential
314	With core compression	345.1	Rigid inner sections
315	Superimposed rings	500	With means restricting relative
316	Sectional transversely		movemet between tire and inner
317	Balls		tube (e.g., anti-creep
318	Integral structure		feature)
319	Recessed	501	With means to protect inner
320	Chambered		tube from rim
321	Perforated	502	Automatic sealing of punctures
322	Chambered		(e.g., self-healing)
322	ChamberedIntegral	503	Using flowable coating or
323	_		composition
	With recesses	504	On inner surface of tubeless
325	Chambered		tire
326	With perforations	505	Sealant in plural layers or
327	Chambered		plural pockets

506	Within or part of construction of inflating inner tube	531	Utilizing at least one ply the cords of which run circumferentially (zero degree
507	Sealant in plural layers or	F20	belt)
500	plural pockets	532	With cushioning or other
508	By compression		special rubber ply layer
509	With reinflating means	533	Reinforcing plies made up from
510	Tire characterized by its air		wound narrow ribbons
	impervious liner or inner tube	534	Structure where each bias
511	Inner tube		angle reinforcing cord ply has
512	With reinforcement element		no opposingly angled ply
513	With means to protect tire from rim	535	Structure made up of two or more sets of plies wherein the
514	Means other than rim closing the tire opening		reinforcing cords in one set lie in a different angular
515	Positive casing closure		position relative to those in
516	With means enabling restricted		other sets
210	operation in damaged or	536	Structure using multiple
	deflated condition		reinforcing elements made of
517	With sidewall insert to		differing materials
J	facilitate load support in	537	Breaker or belt characterized
	emergency		by the chemical composition or
518	Utilizing additional		physical properties of
310	inflatable supports which		elastomer or the like
	become load bearing in	538	Breaker or belt characterized
	emergency		by its dimensions or curvature
519	Inflated or expanded in		relative to the carcass or any
	emergency only		other part of the tire
520	Utilizing additional	539	Characterized by the structure
	noninflatable supports which		of the bead portion of the
	become load supporting in		tire
	emergency	540	Structure of inextensible
521	Internal lubricating or		reinforcing member
	cooling	541	Apex or filler strip
522	Means facilitating folding	542	Flipper strips
	between sidewall portions	543	Chafer or sealing strips
	(e.g., run flat sidewalls)	544	Bead contour for engagement
523	Arrangement of grooves or ribs		with mounting rims (e.g.,
	in sidewall		lips, ribs or grooves)
524	Having annular inlay or cover	545	Multiple bead cores at each
	on sidewalls (e.g., white		terminal edge or tire
	sidewalls)	- 4.6	supporting surface
525	Characterized by chemical	546	Bead characterized by the
	composition or physical		radial extent of apex, flipper
	properties of external	E 4 E	or chafer into tire sidewall
	sidewall materials	547	Bead characterized by the
526	Characterized by belt or		chemical composition and or
	breaker structure		physical properties of elastomers or the like
527	Physical structure of	548	Characterized by the carcass,
	reinforcing cords	0±0	carcass material, or physical
528	Folded ply structure		arrangment of the carcass
529	Utilizing two or more cord		materials
	materials	549	Cushion means inward of
530	Consisting of only one ply	2 27	outermost carcass ply

550	Carcass ply extends from at	371	Bandages
	least one bead region without	372	Mechanically secured
	being folded about bead rings	373	To felly or rim
551	Carcass ply only folded about	375	.Wheel securing means
	one bead ring	376	Plural tire
552	Carcass ply turnup structure	377	Retracting wheel section
	around bead rings	378 R	Integral rims
553	\ldots Folded from outside to inside	379.3	Interlocking tire and rim
	of bead core	379.4	With elongate bead guard
554	Characterized by the extent	379.5	Bead and rim interlock
	of the fold up into the	380	Tire embraced rim
	sidewall of the tire relative	381.3	Deep channel rim
	to the other tire dimensions	381.4	With elongate
555	Sidewall stiffening or		circumferential bead quard
	reinforcing means other than	381.5	With channel cover
	main carcass plies or foldups	381.6	With channel filler
	thereof about beads	382	Clincher rim
556	Physical structure of	383	Pneumatic tire
	reinforcing cords	384	With anit-creep lugs
557	With two or more differing	378 W	Rim welded to disc
	cord materials	376 W	Axial
558	Carcass characterized by the	386	Radial
	reinforcing cords of each	387	
	carcass ply being arranged	387	With circumferential tire
	substantially parallel	200	incorporated clamps
559	Reinforcing cords run in	388	With annular tire incorporated
	opposite directions in	200	clamps
	successive carcass ply (i.e.,	389	With mechanically joined ends
	bias plies)	390	Adjustable
560	Reinforcing cords of at least	391	Pneumatic tire
	one carcass ply extend	392	Adjustable
	transversely across the tire	393	Reinforced tire base structure
	from bead to bead (i.e.,	394	Metallic external base ring
	radial ply)	395	With annular exterior clamps
561	Combined with a bias angled	396	Separable rim parts
	ply	397	Exterior clamps
562	Cords curve from bead to bead	398	Lateral acting
	in plural planes (e.g., s-	399	Interior clamps
	shaped cord paths)	400	Spreaders
563	Reinforcing cord of a carcass	401	Combined sectional channel
	ply arranged in a crossing	402	Sectional channel
	relationship within the ply	403	Duplicate sections
	(e.g., woven, braided or	404	Pneumatic tire
	knitted plies)	405	Pneumatic tire
564	Carcass characterized by the	406	Split side flange
	chemical composition or	407	End connected
	physical properties of the	408	With rim engaging end lugs
	elastomers or the like	409	Locking rim secured
565	Adhesion promoter: rubber to	410	Split locking ring
	rubber or reinforcement to	411	Overlapping section
	rubber	412	Bayonet or threaded joint
367	.Patches	413	Bayonet or threaded joints
368	Mechanically secured	414	Hinged section
369	Inside and outside, bolt	415	Inflating devices
	connected	416	Vehicle body carried supply
370	With plugs	110	chiefe boay carried bupply

417	Rotary joints	DIG 1	PEBBLE EJECTORS
418	Wheel carried supply	DIG 2	STATIC DISCHARGE
419	With positive pump operating	DIG 3	SLITS IN TREADS
	means	DIG 4	CRACK RESISTANT
420	Gearing	DIG 5	WATER FILLED
421	Cam	DIG 6	PEG LEG
422	Eccentric bearing	DIG 7	RUBBER VALVES
423	Obstacle	DIG 8	CLAMPS
424	Ground	DIG 9	BEAD TO RIM SEAL
425	Casing interposed	DIG 10	SPLIT RIM SEAL
426	Casing enclosed pump	DIG 11	TUBELESS VALVES
427	Combined wheel and valve stem	DIG 12	WHITE SIDEWALLS
428	With dust cap	DIG 13	VALVES STEM GUARDS
429	Combined tire and valve stem	DIG 14	FABRICS
430	Reinforcements or patches	DIG 15	OVERLAP
431	Combined valve stem cap and	DIG 16	AIR IMPERMEABLE LINER
	tool	DIG 17	GROOVED RIM
		DIG 18	HUB TIRES
		DIG 19	SANDWICH BREAKERS
		DIG 20	RIMS FOR INVERTED BEAD TIRES

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	AND HAVING CIRCUMFERENTIAL
	RIBS DEFINED BY LINEAR
	CIRCUMFERENTIAL GROOVES HAVING
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902	NON-DIRECTIONAL TREAD PATTERN
	HAVING NO CIRCUMFERENTIAL RIB
	AND HAVING BLOCKS DEFINED BY
	CIRCUMFERENTIAL GROOVES AND
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903	NON-DIRECTIONAL TREAD PATTERN
	HAVING NON-CIRCUMFERENTIAL
	TRANSVERSE GROOVE FOLLOWING
	SMOOTH CURVED PATH
904	SPECIFIED TREAD PATTERN FOR FRONT
	TIRE AND REAR TIRE
905	TREAD COMPOSITION

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